

<b>Interview Summary</b>	<b>Application No.</b> 10/705,496	<b>Applicant(s)</b> ISHIGAME ET AL.	
	<b>Examiner</b> Daniel St.Cyr	<b>Art Unit</b> 2876	

All participants (applicant, applicant's representative, PTO personnel):

(1) Daniel St.Cyr. (3)\_\_\_\_\_.

(2) Chrstophe F. Lair. (4)\_\_\_\_\_.

Date of Interview: 05 July 2005.

Type: a) ☐ Telephonic b) ☐ Video Conference  
c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 23.

Identification of prior art discussed: \_\_\_\_\_.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

#### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

##### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

##### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

#### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The applicant argued that the prior art does not disclose a first/second/third judging means (wherein each being a different means), prohibiting means and that the Cubic reference is not prior art. The examiner's position is: the first/second/third judging means and prohibiting are just functional steps performed by a single processing means. For instance, when a user enters a transit system, the system processor judges the user based on information from the wireless card to either allow and prohibit the user from entering the system's facility. At the exit station, the system performs a second and a third judging steps to verify the card is valid and has enough value therein and that the same entered card is being exited.

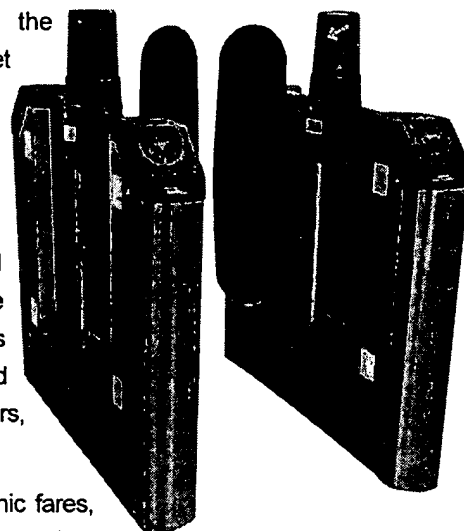
# Universal Gate 2000

## FEATURES & BENEFITS

- Modular gate for fare collection and access control
  - Validate usage, reduce fraud
  - Fast throughput (35 persons/minute specified, 60 persons/minute recorded in actual usage)
  - Communications with the central system via Ethernet, offline operation up to 7 days
  - Programmable as entry, exit and bi-directional gate (option)
  - Compact size allows installation into tight spaces
  - Fast and low cost installation, no station excavation required
  - High availability, reliability and maintainability
- Flexibility of ticketing options
  - Accept magnetic tickets
  - Read/write ISO 14443 Type A, Type B and Cubic GO CARD® contactless smart cards using Cubic's Tri-Reader® multi-protocol card interface device
  - Automatically collect Autoload and Ticket on Departure at the gate
- User-friendly interfaces
  - Ergonomic design with modern styling
  - Choice of paddle — soft-faced paddle, tall clear paddle, and wide paddle
  - Wide aisle gate is DDA/ADA compliant and can open one flap for commuter use or both flaps for disabled persons, child pushchairs/strollers, bicycles and luggage
  - Gates can open for disabled patrons automatically via smart card credentials or under staff supervision (local or remote control)
  - High-contrast, backlit customer display and large, bright walkway availability indicator
- High safety compliance
  - Automatic emergency opening with unobstructed walkway
  - Programmable safety breakthrough in both directions
  - Programmable soft close force
  - Automatic back-off in the event of an obstruction

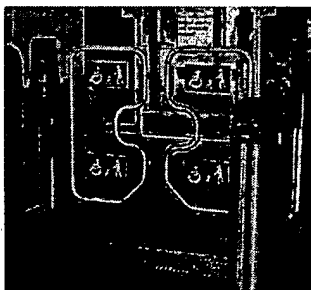
Offering unmatched flexibility, the Universal Gate is configurable to meet a variety of access control, ticketing and user interface requirements.

The ergonomic and modern styling of the compact gate features a choice of paddle design — soft faced paddle, tall clear paddle, and wide paddle. The wide aisle gate facilitates access for disabled persons and people with child pushchairs/strollers, bicycles and luggage.







The Universal Gate collects electronic fares, validates usage, grants/restricts access based on criteria and credentials, controls and facilitates flow of people, collects and communicates information.

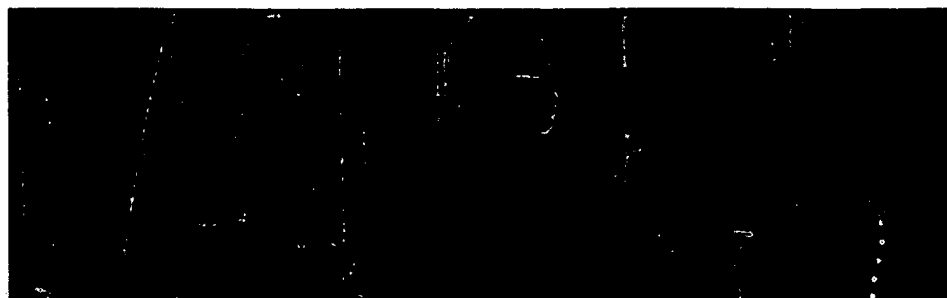
Accepting magnetic tickets and ISO 14443 Type A, Type B and Cubic GO CARD® contactless smart cards, the Universal Gate gives freedom of card choice and enables interoperability between operators. With the use of smart cards, advanced payment features such as Autoload and Ticket on Departure can be automatically collected and then used at the gate.



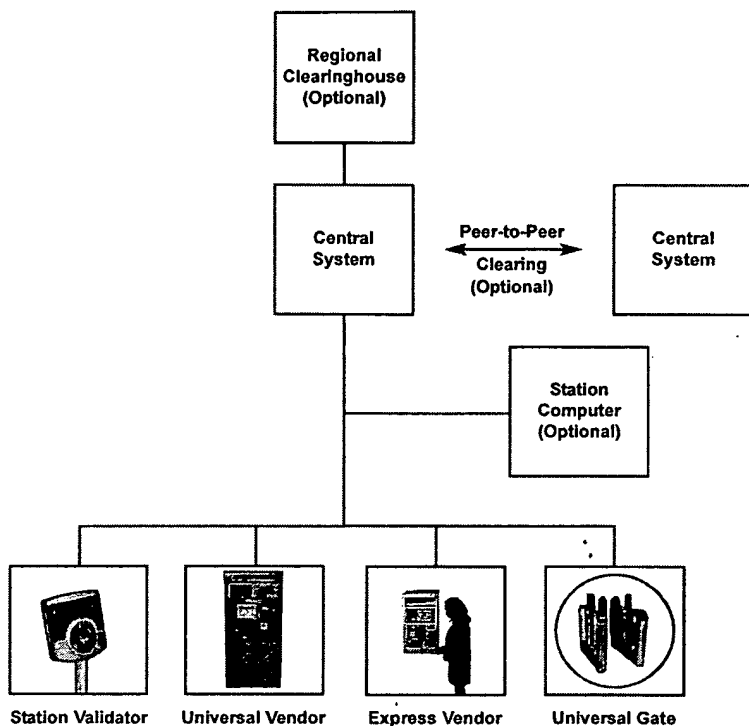
As smart cards are presented to the target, Cubic's Tri-Reader® quickly reads the card, calculates the required fare and deducts it from the stored value or stored rides on the card and re-encodes it with the new remaining value/fare. The customer display indicates if access is granted or denied and the paddles either open to permit access or remain closed.

The Universal Gate communicates with the central system via a dedicated network to upload transactions and equipment status and download configuration data including software updates, fare tables, hotlists and Autoload lists.

**Four Reasons**  **Quality**  
**to Choose Cubic**  **Reliability**  
**for Your Fare**  **Innovation**  
**Collection Needs**  **Customer Focus**



# Universal Gate 2000



## SPECIFICATIONS

### Physical

- ① Dimensions: Height 1030mm (40.6in) [cabinet], 1271mm (50in) [top of display], 1149mm (45.2 in) [top of paddle], 1802mm (71in) [top of tall paddle]; Width 155mm (6.1in) [cabinet], 324mm (12.8in) [paddle], 546mm (21.5in) [wide paddle], 311mm (12.24in) [tall paddle], 539mm (21.2in) [wide-tall paddle]; 620mm (24.4in) [standard aisle], 1080mm (42.5in) [wide aisle]; Depth 1300mm (51.2in) [cabinet], 30mm (1.2in) [paddle], 30mm (1.2in) [tall paddle]
- ② Weight: 182kg (400lbs)
- ③ Material: stainless steel cabinet, polyurethane paddle or clear polycarbonate panel secured to stainless steel tubes, high impact plastic display
- ④ Voltage: 120 or 240 VAC at 50/60 Hz (277 VAC option)
- ⑤ Power Dissipation: 1150W Max, 850W Min with optional heaters, 2 per gate at 150W each

### Capacity

- ① Processor: Pentium® III PGA 370, 650 MHz (min) or equivalent
- ② Operating System: Phar Lap or equivalent
- ③ Memory: 64 MB Disk-on-Chip, 512 MB RAM

### External interfaces

- ① Multi-drop or Ethernet
- ② USB port (option - dependent upon application)
- ③ 10 Comm ports (option - dependent upon application)
- ④ SCADA (option - dependent upon application)
- ⑤ Emergency open signaling system
- ⑥ Interface for maintenance keypad/keyboard

### Environmental

- ① Storage Temperature: -23°C to +70°C (-10°F to +158°F)
- ② Operating Temperature: -23°C to +50°C (-10°F to +122°F) with heater option; +10°C to +50°C (+50°F to +122°F) without heater
- ③ Relative Humidity: 15% to 95%
- ④ Vibration: Mil-Std-810D, Method 514.3, Category 8, 0.25g (RMS) all axes, 5 to 25 Hz
- ⑤ Shock: Mil-Std-810D, Procedure I, half-sine pulse, 5g peak, 10msec
- ⑥ Ingress Protection: Not rated
- ⑦ Immunity: EN61000-6-2
- ⑧ Emissions: EN61000-6-3, FCC Class B
- ⑨ Flammability: UL 94V-HB for polycarbonate paddle

### User Interfaces

- ① Operator Interface: keypad (16 keys)
- ② Patron Interface: bi-directional, sunlight readable transreflective LCD, 2 line x 20 character with backlight for aisle status, 1 set of red, yellow and green LEDs for smart card transaction status, 2 sets of LEDs/photo sensors for aisle movement
- ③ Media Issuance: N/A
- ④ Media Acceptance: ISO 14443 Type A, Type B and Cubic GO CARD® contactless smart cards, optional magnetic ticket capability with 500 ticket capture bin

In-Reader® is a registered trademark of Cubic Transportation Systems, Inc.  
GO CARD® is a registered trademark of Cubic Transportation Systems, Inc.  
Pentium® is a registered trademark of Intel Corporation.

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